

Message

From: Kay, Robert [rtkay@usgs.gov]
Sent: 8/21/2017 4:26:01 PM
To: Nordine, John [nordine.john@epa.gov]
Subject: June 2017 RCRA and monitoring well sampling, Central Wire, Union, IL

John--I have reviewed the June 2017 RCRA monitoring well and residential well sampling data for the Central Wire/Techalloy facility in Union, Illinois. I have just a few comments.

MW-5D--note TCE readings were 0 during 2005, whereas PCE as elevated at those times. This pattern is likely due to a shut down of biodegradation during this period in this well. Is there anything in the dissolved oxygen or other data to support this hypothesis? It should be given some consideration--3-4 sentences--somewhere in the text to help explain what's going on with the plume.

MW-8--minor point but TCE in the Dec. 2016 sample from well MW-8 was 10 ppb, which is not less than 10 ppb. TCE discussion in the text is technically incorrect and should be corrected.

DGW-2--it is incorrect to state in one sentence that "There have been no detections in these three wells..." and in the next sentence state that there were detections in one of the wells, even if subsequent samples were clean. This paragraph should be re-written correctly.

General Comments--why are the monitoring wells being sampled for metals? I have no problem with this sampling being done, but some mention of why is appropriate and should be provided.

Table 3-3--it appears temperature values are in degrees Fahrenheit, they should be in Celsius.

Are the conductivity units for well MW-4 correct?

--

Robert T. Kay
U.S. Geological Survey
650G Peace Road
DeKalb, IL 60115
815-752-2041
rtkay@usgs.gov